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Cc: Rauscher, Jon[Rauscher.Jon@epa.gov]; Turner, Philip[Turner.Philip@epa.gov]; Martin, John[martin.john@epa.gov]; Petersen, Chris[petersen.chris@epa.gov]; Foster, Althea[Foster.Althea@epa.gov]; Crossland, Ronnie[Crossland.Ronnie@epa.gov]; Webster, Susan[webster.susan@epa.gov]; david.crow@westonsolutions.com[david.crow@westonsolutions.com]
From: Restivo, Angela
Sent: Sat 8/8/2015 2:54:32 PM
Subject: FW: Water Quality Criteria - Animas River
Animas River (NM) - WQC.xlsx

Here are the water quality standards data for both rivers.

From: McCoy, Melinda
Sent: Friday, August 07, 2015 2:36 PM
To: Brown, Jamesr; Kirkland, Robert; McCasland, Mark; Garcia, David; Restivo, Angela
Cc: Foster, Althea; Crossland, Ronnie; Webster, Susan; Martinez, Maria; Crocker, Philip; Nelson, Russell
Subject: Water Quality Criteria - Animas River

Hi Everyone,

Earlier this morning, David and Maria asked me to compile the WQS applicable to the Animas River, and to identify any previous water quality impairments (303d listings) identified. Earlier today, I sent them a list of the applicable designated uses and the 303(d) listing information (see emails forwarded below).

Additionally, I have compiled an Excel spreadsheet showing the water quality criteria applicable to the two Animas River segments. Please see attached Excel file.

Thanks,

Melinda

Melinda McCoy, Environmental Scientist

Water Quality Standards Program

USEPA Region 6 (6WQ-EW)

1445 Ross Ave., Ste. 1200

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mccoy.melinda@epa.gov

From: McCoy, Melinda
Sent: Friday, August 07, 2015 11:31 AM
To: Garcia, David; Martinez, Maria; Brown, Jamesr
Cc: Nelson, Russell
Subject: Animas River WQS

Hi David and Maria,

The Animas River is a considered classified water. It is split into 2 segments between the NM/CO state line and it's confluence with the San Juan River. Estes Arroyo is the dividing line between the 2 segments. (See NMAC 20.6.4.403-404).

The table below shows the designated uses applicable to these 2 segments:

Animas from confluence with Animas from Estes Arroyo	
San Juan upstream to Estes	upstream to NM/CO line
Arroyo	
Marginal coldwater and warmwater	Coldwater

Primary Contact	Primary Contact
Public Water Supply	Public Water Supply
Industrial Water Supply	Industrial Water Supply
Irrigation	Irrigation
Livestock watering	Livestock watering
Wildlife Habitat	Wildlife Habitat

The criteria applicable to each of these designated uses can be found in NMAC 6.4.900 (see attachment). I can compile all of this into an Excel spreadsheet, but for the sake of time, I'm just including the attachment right now.

Note that the DO, temperature, and pH criteria differ for each aquatic life use:

Coldwater: dissolved oxygen 6.0 mg/L or more, 6T3 temperature 20°C (68°F), maximum temperature 24°C (75°F) and pH within the range of 6.6 to 8.8. Where a single segment-specific temperature criterion is indicated in 20.6.4.101-899 NMAC, it is the maximum temperature and no 6T3 temperature applies.

Marginal Coldwater: dissolved oxygen 6 mg/L or more, 6T3 temperature 25°C (77°F), maximum temperature 29°C (84°F) and pH within the range from 6.6 to 9.0. Where a single segment-specific

temperature criterion is indicated in 20.6.4.101-899 NMAC, it is the maximum temperature and no 6T3 temperature applies.

Warmwater: dissolved oxygen 5 mg/L or more, maximum temperature 32.2°C (90°F) and pH within the range of 6.6 to 9.0. Where a segment-specific temperature criterion is indicated in 20.6.4.101-899 NMAC, it is the maximum temperature.

I'll send you the 303d information as soon as I gather it.

Thanks,

Melinda

Melinda McCoy, Environmental Scientist

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From: McCoy, Melinda
Sent: Friday, August 07, 2015 11:44 AM
To: Garcia, David; Martinez, Maria; Brown, Jamesr
Cc: Nelson, Russell
Subject: Animas 303d listings (2014-2016 reporting cycle)

Hi David, Maria, and Jim,

From New Mexico's 2014-2016 Integrated Report. Here are the impairments identified for the Animas River (categories 4 and 5).

digitHUC USGSName HUC	SIZE Reference	Category (by AU)	TMDL LIST Approval Date
1408Ah04 has NM- Animas River (Estes 2404_Arroyo to So. Ute Indian Tribe bnd)	18.8 MILES.404i	5/5B	TMDL 2013-09-2012 Completed30 00:00:00
1408Ah04 has NM- Animas River (Estes 2404_Arroyo to So. Ute Indian Tribe bnd)	18.8 MILES.404phorus,5/5B total	TMDL	2013-09-2012 Completed30 00:00:00
1408Ah04 has NM- Animas River (Estes 2404_Arroyo to So. Ute Indian Tribe bnd)	18.8 MILES.404Temperature5/5B	List (no TMDL in place) 303(d)	1998
1408Ah04 has NM- Animas River (Estes 2404_Arroyo to So. Ute Indian Tribe bnd)	18.8 MILES.404Quality	5/5B	List (no TMDL in place)
1408Ah04 has NM- Animas River (San 2403_Arroyo River to Estes Arroyo)	16.8 MILES.403i	4A	TMDL 2013-09-2012 Completed30 00:00:00
1408Ah04 has NM- Animas River (San 2403_Arroyo River to Estes Arroyo)	16.8 MILES.403Eutrophication	4A	TMDL 2006-01-2004 Completed17 00:00:00
1408Ah04 has NM- Animas River (San 2403_Arroyo River to Estes Arroyo)	16.8 MILES.403Temperature	4A	TMDL 2013-09-2012 Completed30 00:00:00
NM- 1408Ah04 has 9000.Ba00 Farmington (Beeline Reservoir)	198ACRESM409ury in fish tissue	5/5A	303(d) List (no TMDL in place)

Category Description

4A Available data and/or information indicate that at least one designated or existing use is not being supported, but a Total Maximum Daily Load (TMDL) is not needed because TMDLs have been already been established.

5A Available data and/or information indicate that at least one designated or existing use is not being supported and necessary TMDLs are underway or scheduled.

5B Available data and/or information indicate that at least one designated or existing use is not being supported and a review of the water quality standard will be conducted to verify

appropriateness.

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